PROJECT TITLE : CIGARETTE DEVELOPMENT 2

PERIOD COVERED : AUGUST 22 - SEPTEMBER 28, 1981

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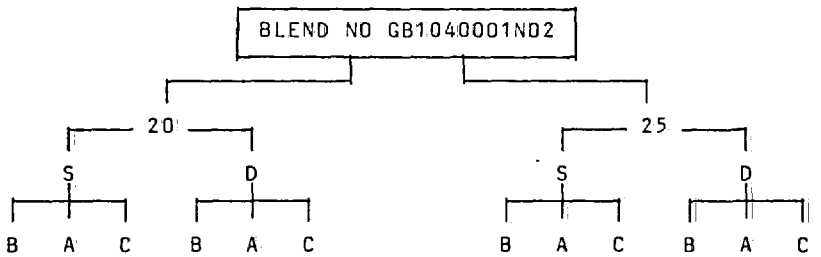
400 COMMONWEALTH 4 (CONTROL)

Objective

To develop a Virginia cigarette of high quality, delivering 4.0 mg tar, which conforms to the Hunter list.

Description of samples and results

Tobacco blend No GB1040001N02 was used to produce cigarette prototypes of different designs to which filters of 20 and/or 25 mm were attached in single and dual combinations.
For all prototypes, Mauduit 110-6 cigarette paper was used.
Unflavoured prototypes were produced, as references, along with two additional series (B + C versions), incorporating flavoured tobacco.
The schema below shows the overall set-up of the trials.



where : 20/25 : Filter length in mm
S : Single filter
D : Double filter
A : Cigarette prototypes, standard version (references)
B : Cigarette prototypes incorporating tobacco treated with AC solution SFC-DL-13
C : Cigarette prototypes incorporating tobacco treated with AC solution SFC-DL-14

At this time, no results concerning the total qualities of the cut-filler nor the finished cigarettes are available.
A complete evaluation will be presented in the next report.

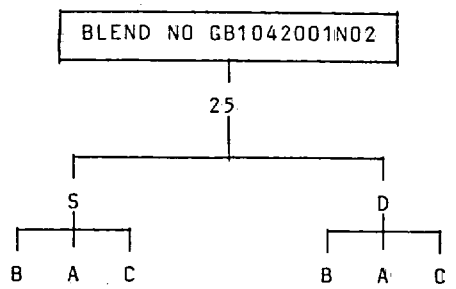
420 COMMONWEALTH 9 (CONTROL)

Objective

To develop a Virginia cigarette of high quality, delivering 9.0 mg tar, which conforms to the Hunter list.

Description of samples and results

Tobacco blend No GB1042001N02 was used to produce cigarette prototypes of different designs to which filters of 25 mm were attached in single and dual combinations.
For all prototypes, Mauduit 110-6 cigarette paper was used.
Unflavoured prototypes were produced, as references, along with two additional series (B + C versions), incorporating flavoured tobacco.
The schema below shows the overall set-up of the trials.



where : 25 : Filter length in mm
S : Single filter
D : Double filter
A : Cigarette prototypes, standard version (references)
B : Cigarette prototypes incorporating tobacco treated with AC solution SFC-DL-13
C : Cigarette prototypes incorporating tobacco treated with AC solution SFC-DL-14

At this time, no results concerning the total qualities of the cut-filler nor the finished cigarettes are available.
A complete evaluation will be presented in the next report.

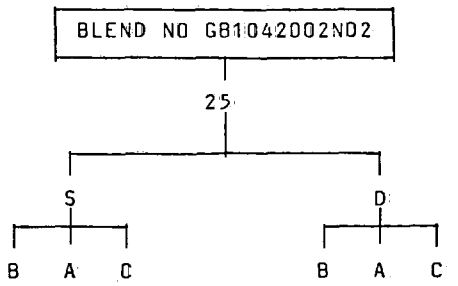
420 COMMONWEALTH 9 (CONTROL) NEW BLEND

Objective

To develop a Virginia cigarette of high quality, delivering 9.0 mg tar, which conforms to the Hunter list.

Description of samples and results

Tobacco blend No GB1042002N02 (new formula) was used to produce cigarette prototypes of different designs to which filters of 25 mm were attached in single and dual combinations.
For all prototypes, Mauduit 110-6 cigarette paper was used.
Unflavoured prototypes were produced, as references, along with two additional series (B + C versions), incorporating flavoured tobacco.
The schema below shows the overall set-up of the trials.



where : 25 : Filter length in mm
S : Single filter
D : Double filter
A : Cigarette prototypes, standard version (references)
B : Cigarette prototypes incorporating tobacco treated with AC solution SFC-DL-13
C : Cigarette prototypes incorporating tobacco treated with AC solution SFC-DL-14

At this time, no results concerning the total qualities of the cut-filler nor the finished cigarettes are available.
A complete evaluation will be presented in the next report.

Comments

We were requested by Richmond (US) to supply tobacco materials from each of the three trials blends which underwent the FTR process, i.e. :

COMMONWEALTH 4 (Control), blend No GB1040001N02 (FTR)

1) 100 kg of blended strips at ca. 13 % moisture delivery
2) 65 kg of CRS cut at 150 c.i. (0.17 mm) and ca. 13 % moisture delivery
3) 300 kg of treated and blended tobacco strips, standard formula for ET

COMMONWEALTH 9 (Control), blend No GB1042001N02 (FTR)

1) 100 kg of blended strips at ca. 13 % moisture delivery
2) 65 kg of CRS, cut at 150 c.i. (0.17 mm) and ca. 13 % moisture delivery

COMMONWEALTH 9 (Control), new blend No GB1042002N02 (FTR)

1) 100 kg of blended strips at ca. 13 % moisture delivery
2) 65 kg of CRS cut at 150 c.i. (0.17 mm) and ca. 13 % moisture delivery
3) 300 kg of treated and blended tobacco strips, standard formula for ET

We intentionally did not send any ET to Richmond; instead, only treated and blended tobacco strips, representing our standard blend used for the expansion process, were dispatched.
The idea was to make available to Richmond material on which they could try two different tobacco strand sizes, i.e. 40 c.i. (0.65 mm) and 45 c.i. (0.56 mm), before carrying out the expansion process.
By calculating the exact batch size for each of the trial-blends, it was possible (during the process), to set aside the above-mentioned tobacco materials without any loss or alteration of the original ratio of the tobacco grades within the final cut-filler.

ANF/cap/SEPTEMBER 29, 1981